



## USP Reference Standards Tables

Below are several tables with the latest USP Reference Standard (RS) information for the month of **December (2019)**. For the most up-to-date information, visit the online [USP store](#) which is updated daily. USP recommends referring to the store prior to using a USP RS to assure the lot remains valid for use and to obtain the most up-to-date USP Certificate and Safety Data Sheet.

[Never-Before-Released USP RS's – Now Available](#)

[Existing USP RS's with New Current Lots](#)

[Previously Unavailable USP RS's – Now Available](#)

[USP RS's Backorder Availability Report](#)

[USP RS's with Changes Made to the Description, including Package Size Changes](#)

[USP RS Lots with a Valid Use Date \(VUD\) in November 2019](#)

[USP RS Lots with a Valid Use Date \(VUD\) in December 2019](#)

[USP RS Lots with a Valid Use Date \(VUD\) in January 2020](#)

Previous months' tables can be viewed on our [website](#).

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**USP strongly suggests downloading the [FREE Reference Standards and Resources APP](#) on your phone or tablet. The APP allows you to easily track lot changeovers by opting in to receive push notifications only for the USP RS's of interest.**

Please visit the [USP store](#) to place an order online. You may also contact Customer Service at [custsvc@usp.org](mailto:custsvc@usp.org) or 1-800-227-8772. Please contact [rstech@usp.org](mailto:rstech@usp.org) for all other support related to USP RS's.

## Never-Before-Released USP RS's – Now Available

Catalog #	Description	Current Lot	Availability Date
1236620	(-)-Epicatechin (50 mg)	F09990	22-Nov-19
1036959	Anise Oil (2 x 0.5 mL)	F10080	18-Nov-19
1075780	Bisoprolol Related Compound C (50 mg) (1-(Isopropylamino)-3-(4-methylphenoxy)propan-2-ol)	F113H0	25-Nov-19
1256015	Ethacrynic Acid Related Compound A (25 mg) ((4-Butyryl-2,3-dichlorophenoxy)acetic acid)	F12390	27-Nov-19
1270468	Filgrastim for Bioassay (96,815 IU) (COLD SHIPMENT REQUIRED)	F095L0	5-Nov-19
1042351	Formoterol Related Compound A (30 mg) (2-Amino-4-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenol)	F120V0	25-Nov-19
1042373	Formoterol Related Compound C (30 mg) (N-(2-Hydroxy-5-(1-hydroxy-2-[[1-(4-methoxyphenyl)propan-2-yl]amino]ethyl)phenyl)acetamide fumarate)	F120W0	26-Nov-19
1287449	Gadobutrol (200 mg)	F092B0	11-Nov-19
1302178	Guarana Seed Dry Extract (1 g)	F09980	12-Nov-19
1356993	Lauroyl Polyoxylglycerides 300 (500 mg)	F11460	20-Nov-19
1458031	Neomycin Sulfate System Suitability Mixture (100 mg)	F11060	21-Nov-19
1463457	Nilotinib Related compound C (25 mg) (3-Amino-4-methylbenzoic acid)	F093W0	26-Nov-19
1604585	Rivaroxaban Related Compound H (20 mg) ((S)-4,5-Dichloro-N-({2-oxo-3-[4-(3-oxomorpholino)phenyl]oxazolidin-5-yl)methyl}thiophene-2-carboxamide)	F10360	4-Nov-19
1623580	Sucrose Diacetate Hexaisobutyrate (1 mL)	F12030	19-Nov-19

[Return to the Top](#)

## Existing USP RS's with New Current Lots

Catalog #	Description	Current Lot	Previous Lot (Valid Use Date)
1012123	Adenosine (200 mg)	R114J0	I0M365 (31-Oct-20)
1012644	Albuterol Related Compound A (25 mg) (4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-2-methylphenol sulfate)	R10810	F0H223 (31-Jul-20)
1162626	Alpha-Damascone (3 x 0.5 mL)	F1M367	F0M367 (30-Nov-20)
1045574	Azacitidine Related Compound C (15 mg) (1-beta-D-Ribofuranosyl-3-guanylurea picrate)	R113E0	R088Q0 (30-Nov-20)
1050993	Benzalkonium Chloride (5 mL of approx. 4% aqueous solution)	R121K0	F109S0 (30-Nov-20)
1078799	Bupropion Hydrochloride Related Compound F (40 mg) (1-(3-chlorophenyl)-1-hydroxypropan-2-one) (COLD SHIPMENT REQUIRED)	R109B0	R015C0 (30-Nov-20)
1082504	Butorphanol Tartrate CIV (350 mg)	R116K0	K1L363 (31-Oct-20)
1091108	Capsaicin (100 mg)	R123V0	I0L046 (30-Nov-20)
1096724	Carmustine (75 mg) (COLD SHIPMENT REQUIRED)	R116Y0	R071D0 (30-Sep-20)
1125006	Chlorpromazine Hydrochloride (200 mg)	R119N0	J2K257 (31-Oct-20)
1225703	Doxorubicin Hydrochloride (50 mg)	R11760	L0K258 (30-Nov-20)
1295775	Glyceryl Monocaprylocaprate (Type I) (300 mg)	F03141	F03140 (31-Oct-20)
1303024	Haloperidol Related Compound B (10 mg) (4-[4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl]-1-(2-fluorophenyl)butan-1-one)	R118T0	F0L101 (31-Oct-20)
1356950	Lauroyl Polyoxylglycerides (500 mg)	R102N0	R054X0 (30-Nov-20)
1366013	Lidocaine Hydrochloride (150 mg)	R10460	F02520 (30-Nov-20)
1431603	Methyl Palmitate (3 x 100 mg)	R10930	R057M0 (30-Nov-20)
1441298	Metoprolol Succinate (200 mg)	R11100	H0L334 (30-Nov-20)
1458042	Neohesperidin (30 mg) ((S)-5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-oxo-3,4-dihydro-2H-chromen-7-yl 2-O-(alpha-L-rhamnopyranosyl)-beta-D-glucopyranoside)	F041Q1	F041Q0 (30-Nov-20)
1500251	Paroxetine Related Compound D (10 mg) ((3RS,4RS)-3-[(Benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)piperidine hydrochloride); cis-paroxetine hydrochloride	R12840	H0H383 (31-Aug-20)
1546580	Polyethylene Glycol 6000 (1 g)	R055B1	R055B0 (30-Nov-20)
1553859	Pramipexole Dihydrochloride Monohydrate (200 mg)	R11810	G0L469 (31-Oct-20)
1604202	Rifampin Quinone (25 mg) (1,4-dideoxy-1,4-dihydro-3-[[[4-methyl-1-piperazinyl]imino]methyl]-1,4-dioxo-rifamycin)	R109W0	R001P0 (31-Oct-20)
1604905	Rocuronium Bromide (250 mg) (COLD SHIPMENT REQUIRED)	R118J0	R018M0 (30-Nov-20)
1614501	Sodium Nitroprusside (500 mg)	R098U0	R034D0 (30-Nov-20)
1632004	Sulfanilamide (5 g)	R120N0	O2H320 (30-Sep-20)
1642802	Tacrolimus (150 mg)	R111K0	R055E0 (31-Oct-20)
1674004	Tretinoin (5 X 30 mg)	R11110	R004Y0 (30-Nov-20)
1680007	Triamterene (200 mg)	R123T0	K0M376 (31-Aug-20)

[Return to the Top](#)

## Previously Unavailable USP RS's – Now Available

Catalog #	Description	Current Lot
1012123	Adenosine (200 mg)	R114J0
1012644	Albuterol Related Compound A (25 mg) (4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-2-methylphenol sulfate)	R10810
1162626	Alpha-Damascone (3 x 0.5 mL)	F1M367
1050993	Benzalkonium Chloride (5 mL of approx. 4% aqueous solution)	R121K0
1162648	Beta-Damascone (3 x 0.5 mL)	F1M128
1091108	Capsaicin (100 mg)	R123V0
1096724	Carmustine (75 mg) (COLD SHIPMENT REQUIRED)	R116Y0
1125006	Chlorpromazine Hydrochloride (200 mg)	R119N0
1269957	Fentanyl Related Compound E CII (10 mg) (N-Phenyl-1-(2-phenylethyl)-4-piperidinamine)	R117R0
1303024	Haloperidol Related Compound B (10 mg) (4-[4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl]-1-(2-fluorophenyl)butan-1-one)	R118T0
1500251	Paroxetine Related Compound D (10 mg) ((3RS,4RS)-3-[(Benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)piperidine hydrochloride); cis-paroxetine hydrochloride	R12840
1601667	Residual Solvent Class 2 - Methylbutylketone (1.2 mL/ampule; 3 ampules)	R108W0
1604202	Rifampin Quinone (25 mg) (1,4-dideoxy-1,4-dihydro-3-[[[4-methyl-1-piperazinyl]imino]methyl]-1,4-dioxo-rifamycin)	R109W0
1604905	Rocuronium Bromide (250 mg) (COLD SHIPMENT REQUIRED)	R118J0
1632004	Sulfanilamide (5 g)	R120N0
1642802	Tacrolimus (150 mg)	R111K0
1680007	Triamterene (200 mg)	R123T0

[Return to the Top](#)

**USP RS's Backorder Availability Report\***

Catalog #	Description	Estimated Availability Date (as of 27Nov2019)
1034308	Amrinone (500 mg) (Inamrinone)	2020-Q1
1041609	Apraclonidine Hydrochloride (100 mg)	2020-Q2
1042420	Argatroban Related Compound B (20 mg) (Ethyl (4R)-1-[N <sup>8</sup> -nitro-L-arginyl]-4-methylpiperidine-2-carboxylate dihydrochloride)	2019-Q4
1048233	Bacoside A3 (15 mg)	2020-Q2
1056005	Benzonatate (1 g)	2020-Q1
1062008	Benzyl Benzoate (5 g)	2020-Q1
1086039	Caftaric Acid (20 mg)	2020-Q2
1086200	Calcitonin Salmon (20 mg) (COLD SHIPMENT REQUIRED)	2020-Q2
1087359	Calcium Stearate (2 g) (AS)	N/A
1091040	Caprylic Acid (300 mg)	2020-Q1
1096529	Carglumic Acid Related Compound B (30 mg) ((S)-2,7-dioxo-1,3-diazepane-4-carboxylic acid)	TBD
1134118	Cisatracurium Besylate (350 mg)	2020-Q2
1135000	Clidinium Bromide (500 mg)	2019-Q4
1140509	Clorazepate Dipotassium CIV (125 mg)	2020-Q1
1150115	Cosyntropin Acetate (1.69 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED) (alpha1-24-Corticotropin)	TBD
1163173	Dantrolene Related Compound B (50 mg) (5-(4-nitrophenyl)-2-furaldehyde-(2-carboxymethyl) semicarbazone)	2019-Q4
1171910	Desflurane Related Compound A (0.1 mL) (bis-(1,2,2,2-tetrafluoroethyl) ether)	2020-Q1
1173100	Desmethoxycurcumin (30 mg)	2020-Q1
1177032	Dexamethasone Sodium Phosphate (500 mg)	2020-Q1
1179887	Dextran 70 Calibration (100 mg)	2020-Q2
1551128	Dibasic Potassium Phosphate (5 g) (AS)	N/A
1202005	Dihydroergotamine Mesylate (500 mg)	2020-Q1
1224959	Dolasetron Mesylate (125 mg)	TBD
1224960	Dolasetron Mesylate Related Compound A (25 mg) (Hexahydro-8-hydroxy-2,6-methano-2H-quinolizin-3(4H)-one, hydrochloride)	TBD
1225511	Doxepin Related Compound A (50 mg) (dibenzo[b,e]oxepin-11(6H)-one)	2020-Q2
1247003	Erythromycin Lactobionate (200 mg)	2020-Q1
1249202	Escin (350 mg)	2020-Q1
1260001	Ethinyl Estradiol (150 mg)	2020-Q1
1265606	Ethyl Formate (1.2 mL/ampule; 3 ampules)	2020-Q2

Catalog #	Description	Estimated Availability Date (as of 27Nov2019)
1268728	Etodolac Related Compound A (25 mg) ((+/-)-8-ethyl-1-methyl-1,3,4,9-tetrahydropyrano [3,4-b]-indole-1-acetic acid)	TBD
1269505	Fenoprofen Calcium (500 mg)	TBD
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	2020-Q1
1285002	Flurazepam Hydrochloride CIV (200 mg)	2020-Q2
1285807	Flurbiprofen Sodium (200 mg)	2020-Q2
1282707	Fondaparinux Sodium for Assay (0.6 mL) (COLD SHIPMENT REQUIRED)	2020-Q2
1020023	Gamma-Aminobutyric Acid (50 mg)	2020-Q1
1295731	Glyceryl Monolinoleate (500 mg)	2020-Q2
1303002	Haloperidol (200 mg)	2020-Q1
1305303	Hexacosanol (100 mg)	2020-Q2
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	2020-Q2
1354852	KDN (100 mg) (3-Deoxy-D-glycero-D-galacto-2-nonulosonic acid)	N/A
1357522	Latanoprost Related Compound D (25 mg) (COLD SHIPMENT REQUIRED) (Isopropyl (Z)-7-((1R,2R,3R,5S)-2-[(R)-5-phenyl-3-(triethylsilyloxy)pentyl]-3,5-bis(triethylsilyloxy)cyclopentyl)hept-5-enoate)	2020-Q2
1358784	Levalbuterol Hydrochloride (200 mg)	2020-Q1
1362500	Levonordefrin (200 mg)	2020-Q2
1364007	Levorphanol Tartrate CII (500 mg)	TBD
1374226	Magnesium Carbonate (2 g) (AS)	TBD
1381006	Menadione (200 mg) (Vitamin K3)	2020-Q2
1427005	Methyldopate Hydrochloride (200 mg)	TBD
1443759	Mifepristone (200 mg)	2020-Q1
1448027	Morphine Related Compound B CII (20 mg) (2,2'-Bimorphine trihydrate)	TBD
1010106	N-Acetyl-L-Tyrosine (100 mg)	2020-Q1
1457491	Naratriptan Resolution Mixture (20 mg)	2019-Q4
1492255	Palonosetron Related Compound D (15 mg) ((3aR)-2-[(3S)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one hydrochloride)	2020-Q2
1535744	Phosphatidylethanolamine (100 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	2020-Q2
1546489	Polyethylene Glycol 1000 (1 g)	2020-Q1
1546503	Polyethylene Glycol 1500 (1 g)	N/A
1548101	Potassium Benzoate (1 g)	2020-Q1
1291504	Powdered Ginger (500 mg)	2020-Q1

Catalog #	Description	Estimated Availability Date (as of 27Nov2019)
1598201	Raloxifene Hydrochloride (200 mg)	2020-Q2
1601780	Residual Solvent Class 2 - Tetralin (1.2 mL/ampule; 3 ampules)	2020-Q1
1604847	Rivastigmine Tartrate R-Isomer (20 mg) ((R)-3-[1-(Dimethylamino)ethyl]phenyl ethylmethylcarbamate, hydrogen tartrate)	2020-Q1
1653117	Theophylline Melting Point Standard (2 x 500 mg) (Approximately 271 degrees)	2020-Q1
1667370	Tilmicosin (250 mg)	2020-Q1
1700002	Trypsin Crystallized (300 mg) (COLD SHIPMENT REQUIRED)	N/A
1711177	Vecuronium Bromide Related Compound B (15 mg) (Piperidinium, 1-[(2beta, 3alpha, 5alpha, 16beta, 17beta)-3-acetyloxy-17-hydroxy-2-(1-piperidinyl)androstan-16-yl]-1-methyl bromide)	2019-Q4

\*Estimated Availability provided is a target only and may change at any time.

Q1: January—March, Q2: April –June, Q3: July – September, Q4: October –December

[Return to the Top](#)

**USP RS's with Changes Made to the Description, including Package Size Changes**

Catalog #	Current Lot	Current Description	Old Description	Current Package Size	Old Package Size
1078799	R109B0	Bupropion Hydrochloride Related Compound F (40 mg) (1-(3-chlorophenyl)-1-hydroxypropan-2-one) (COLD SHIPMENT REQUIRED)	Bupropion Hydrochloride Related Compound F (40 mg) (1-(3-chlorophenyl)-1-hydroxy-2-propanone) (COLD SHIPMENT REQUIRED)	30 mg	N/A
1087825	F03420	Candesartan Cilexetil Related Compound B (10 mg) (1-{{[(Cyclohexyloxy)carbonyl]oxy}ethyl 3-{{2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl}methyl}-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxylate)	Candesartan Cilexetil Related Compound B (10 mg) (1-(Cyclohexyloxy)carbonyloxy)ethyl 1-{{2'-(1H-tetrazol-5-yl)biphenyl-4-yl}methyl}-2-oxo-2,3-dihydrobenzimidazole-7-carboxylate)	10 mg	N/A
1130710	F071J0	CHO Genomic DNA (30 ng/uL, 20 uL per vial) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	N/A	0.02 mL	0.2 mL (typo in catalog only; store & label were correct)
1448027	R104G0	Morphine Related Compound B CII (20 mg) (2,2'-Bimorphine trihydrate)	Morphine Related Compound B CII (20 mg) (Pseudomorphine)	20 mg	N/A
1500251	R12840	Paroxetine Related Compound D (10 mg) ((3RS,4RS)-3-[(Benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)piperidine hydrochloride); cis-paroxetine hydrochloride	Paroxetine Related Compound D (10 mg) (cis-Paroxetine hydrochloride) (AS)	10 mg	N/A
1604202	R109W0	Rifampin Quinone (25 mg) (1,4-dideoxy-1,4-dihydro-3-[[[4-methyl-1-piperazinyl]imino]methyl]-1,4-dioxo-rifamycin)	Rifampin Quinone (25 mg)	25 mg	N/A
1674004	R11110	Tretinoin (5 X 30 mg)	Tretinoin (30 mg/ampule; 5 ampules)	150 mg	N/A

[Return to the Top](#)



**USP RS Lots with a Valid Use Date (VUD) in November 2019**

Catalog #	Description	Current Lot	Previous Lot
1570439	2-Propanol System Suitability (3 x 1 mL)	R063N0	F0J171(30-Nov-19)
1112299	3-Chlorobenzoic Acid (25 mg)	R06920	F0M377(30-Nov-19)
1000612	Acebutolol Related Compound A (20 mg) (N-(3-Acetyl-4-hydroxyphenyl)butyramide)	R113R0	F1G041(30-Nov-19)
1009005	Acetylcysteine (200 mg)	R10200	K0K294(30-Nov-19)
1031605	Amoxicillin Related Compound J (15 mg) (Mixture of amoxicillin and amoxicillin related compound J (open ring dimer))	R09570	R064U0(30-Nov-19)
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	R10320	F0K231(30-Nov-19)
1067704	Betamethasone Dipropionate (125 mg)	R115J0	R02220(30-Nov-19)
1078267	Budesonide Related Compound G (25 mg) (16alpha,17-[butylidenebis(oxy)]-11beta, 21-dihydroxypregna-4-ene-3,20-dione)	R07770	F005Y0(30-Nov-19)
1078289	Budesonide Related Compound L (25 mg) (16alpha,17-[butylidenebis(oxy)]-21-hydroxypregna-1,4-diene-3,11,20-trione)	R07760	F00600(30-Nov-19)
1096644	Carvedilol Related Compound B (15 mg) (3,3'-(2-(2-methoxyphenoxy)ethylazanediy)bis(1-(9H-carbazol-4-yloxy)propan-2-ol))	R100J0	F0H192(30-Nov-19)
1098195	Ceftriaxone Sodium E-Isomer (25 mg)	R111N0	R071H0(30-Nov-19)
1116774	Chlorophyll A (15 mg)	R112F0	F0M405(30-Nov-19)
1133933	Cinnamic Acid (100 mg)	R041T1	R041T0(30-Nov-19)
1140269	Clomipramine Related Compound C (15 mg) (3-(3-Chloro-5H-dibenzo[b,f]azepin-5-yl)-N,N-dimethylpropan-1-amine hydrochloride, monohydrate)	R079B0	F0M541(30-Nov-19)
1173304	Desonide (250 mg)	R065S0	F0M374(30-Nov-19)
1180026	Dextroamphetamine Related Compound B CII (25 mg) (Phenyl acetone)	R097P0	F0H132(30-Nov-19)
1294319	D-Glucuronic Acid (50 mg)	R076L0	F0L340(30-Nov-19)
1197007	Diethyltoluamide (3 g)	R060U0	R021J0(30-Nov-19)
1234103	Efavirenz (200 mg)	R09740	R038U0(30-Nov-19)
1234147	Efavirenz Related Compound B (10 mg) ((S,E)-6-Chloro-4-(2-Cyclopropylvinyl)-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one)	R090U0	R01700(30-Nov-19)

Catalog #	Description	Current Lot	Previous Lot
1235004	Emetine Hydrochloride (300 mg)	R113N0	H0B201(30-Nov-19)
1235128	Emtricitabine System Suitability Mixture A (15 mg)	R090X0	R039Y0(30-Nov-19)
1241823	Erythorbic Acid (50 mg)	R09270	F0G391(30-Nov-19)
1242000	Erythromycin (250 mg)	R097G0	R013R0(30-Nov-19)
1250020	Estradiol Related Compound B (10 mg) (1,3,5(10),6-estratetraen-3,17beta-diol)	R084N0	F0H263(30-Nov-19)
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)		F0L526(30-Nov-19)
1270526	Fingolimod System Suitability Mixture (40 mg)	R09600	F062F0(30-Nov-19)
1285818	Fluticasone Propionate Related Compound J (15 mg) (6alpha,9alpha-difluoro-11beta,17alpha-dihydroxy-16alpha-methyl-3-oxoandrost-1,4-diene-17beta-carboxylic acid)	R079M0	F019N0(30-Nov-19)
1287675	Gadoversetamide (200 mg)	R09050	F0C172(30-Nov-19)
1287777	Galantamine Hydrobromide Related Compounds Mixture (25 mg)	R076X0	F0G350(30-Nov-19)
1296086	Glycopyrrolate Related Compound I (15 mg) ((RS)-3-[(SR)-2-(4-Chlorophenyl)-2-cyclopentyl-2-hydroxyacetoxy]-1,1-dimethylpyrrolidin-1-ium bromide)	R096M0	F0L437(30-Nov-19)
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	R102C0	F0H104(30-Nov-19)
1356563	Ketoprofen Related Compound D (20 mg) (3-acetylbenzophenone)	F1H249	F0H249(30-Nov-19)
1356701	Lactose Monohydrate (500 mg)	R084R0	R045A0(30-Nov-19)
1356836	Lamivudine (200 mg)	R088C0	I0M388(30-Nov-19)
1356880	Lanolin (20 g)	R100E0	F(30-Nov-19)
1356949	Lauric Acid (500 mg)	R090W0	F0J174(30-Nov-19)
1367699	Linolenyl Alcohol (5 x 30 mg)	R07320	R057P0(30-Nov-19)
1375003	Maltol (500 mg)	R01790	G06251(30-Nov-19)
1377010	Meclizine Related Compound A (15 mg) (4-Chlorobenzhydrol)	F1K374	F0K374(30-Nov-19)
1392818	Mesna Related Compound A (50 mg) (2-(Acetylthio)ethane-1-sulfonic acid, potassium salt, crystal adduct with potassium chloride)	F11157	F0I157(30-Nov-19)

Catalog #	Description	Current Lot	Previous Lot
1392829	Mesna Related Compound B (50 mg) (2,2'-Disulfanediylbis(ethane-1-sulfonic acid), dipotassium salt, crystal adduct with sodium chloride)	F21158	F01158(30-Nov-19)
1413999	Methotrexate System Suitability Mixture (5 mg)	R09880	F1J403(30-Nov-19)
1444300	Misoprostol (100 mg)	R091B0	R035F0(30-Nov-19)
1458053	Neohesperidine Dihydrochalcone (100 mg) DISCONTINUED		F0L071(30-Nov-19)
1481248	Oxaliplatin Related Compound D (10 mg) (cis-[(1S,2S)-1,2-cyclohexanediamine-N,N'] [oxalato(2-)-O,O']platinum)	R09680	R051C0(30-Nov-19)
1491809	Paliperidone (200 mg)	R096L0	R013H0(30-Nov-19)
1554705	Prazosin Hydrochloride (350 mg)	R10470	I0M104(30-Nov-19)
1614603	Sodium Propionate (200 mg)	R09730	F-1(30-Nov-19)
1615956	Sorbic Acid (1 g)	R036N1	R036N0(30-Nov-19)
1643962	Teriparatide (1 mg) (COLD SHIPMENT REQUIRED)	R08070	F015Q0(30-Nov-19)
1708784	Valsartan Related Compound B (10 mg) (N-butyl-N-[[2'-(1H-tetrazole-5-yl)-biphenyl-4-yl]methyl]-L-valine)	R099B0	I0L355(30-Nov-19)
1709007	Vancomycin Hydrochloride (500 mg)	R107F0	R07250(30-Nov-19)

[Return to the Top](#)

## USP RS Lots with a Valid Use Date (VUD) in December 2019

Catalog #	Description	Current Lot	Previous Lot
1112467	4-Chlorobenzophenone (30 mg) (4-Chlorobenzophenone)	F003D1	F003D0(31-Dec-19)
1162126	5'-Cytidylic Acid (500 mg)	R108H0	F0J209(31-Dec-19)
1329913	5-Hydroxy-L-tryptophan (100 mg)	R120Q0	F001D0(31-Dec-19)
1015008	Alprazolam CIV (200 mg)	R101D0	I0G195(31-Dec-19)
1029512	Amlodipine Related Compound A (25 mg) (3-Ethyl 5-methyl [2-(2-aminoethoxymethyl)-4-(2-chlorophenyl)-6-methyl-3,5-pyridinedicarboxylate] fumarate)	R10140	R059Q0(31-Dec-19)

Catalog #	Description	Current Lot	Previous Lot
1034002	Amprolium (200 mg)	R101X0	H0K314(31-Dec-19)
1043502	Asparagine Anhydrous (200 mg)	R094S0	R05130(31-Dec-19)
1075757	Bisoprolol Fumarate (200 mg)	R093J0	R01980(31-Dec-19)
1078835	Buspirone Related Compound N (50 mg) (8,8'-(Butane-1,4-diyl)bis(8-azaspiro[4.5]decane-7,9-dione)	R10100	F015V0(31-Dec-19)
1154525	Cyclobenzaprine Related Compound B (10 mg) (3-(5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-methyl-1-propanamine, hydrochloride)	R092X0	F1L194(31-Dec-19)
1176007	Dexamethasone (125 mg)	R07830	R00520(31-Dec-19)
1189009	Dicloxacillin Sodium (300 mg)	R096W0	J1L192(31-Dec-19)
1234307	Eicosapentaenoic Acid Ethyl Ester (500 mg) (All-cis-5,8,11,14,17-Eicosapentaenoic acid ethyl ester)	R085H0	R023R0(31-Dec-19)
1235106	Emtricitabine (200 mg)	R101B0	R060K0(31-Dec-19)
1249406	Escitalopram Oxalate (200 mg)	R09760	G0M272(31-Dec-19)
1286322	Fosfomycin Tromethamine (800 mg)	R10440	R079E0(31-Dec-19)
1287325	Gabapentin Related Compound A (50 mg) (2-Azaspiro[4.5]decan-3-one)	R09870	R057B0(31-Dec-19)
1288339	Ganciclovir Mono-N-methyl Valinate (10 mg) (2-(RS)-[(guanin-9-yl)methoxy]-3-hydroxypropyl N-methyl-L-valinate hydrochloride)	R112N0	F0I023(31-Dec-19)
1291672	Ginsenoside Rg1 (20 mg)	R085D0	F013D0(31-Dec-19)
1370350	Lorazepam Related Compound D (25 mg) (6-Chloro-4-(o-chlorophenyl)-2-quinazolinecarboxylic Acid)	R084F0	J0L024(31-Dec-19)
1471914	Norgestimate (200 mg)	G1J236	G0J236(31-Dec-19)
1477502	Octoxynol 9 (200 mg)	H1M519	H0M519(31-Dec-19)
1492211	Palonosetron Enantiomer (15 mg) ((3aR)-2-[(3R)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one hydrochloride)	R089Q0	F027B0(31-Dec-19)
1605497	Ropivacaine (200 mg) ((S)-(-)-1-Propyl-2',6'-pipercoloxylidide)	F1J017	F0J017(31-Dec-19)
1624006	Sulfacetamide Sodium (500 mg)	R104S0	J0L478(31-Dec-19)
1643532	Terbinafine Related Compound B (25 mg) ((2Z)-N,6,6-Trimethyl-N-(naphthalen-1-ylmethyl)hept-2-en-4-yn-1-amine hydrochloride)	R10390	F0L196(31-Dec-19)

[Return to the Top](#)

**USP RS Lots with a Valid Use Date (VUD) in January 2020**

Catalog #	Description	Current Lot	Previous Lot
1012600	Albuterol (200 mg)	R097B0	I(31-Jan-20)
1067307	Betamethasone Benzoate (200 mg)	R11700	G0J080(31-Jan-20)
1078201	Budesonide (200 mg)	R079R0	R036W0(31-Jan-20)
1078529	Bupivacaine Related Compound B (50 mg) N-(2,6-Dimethylphenyl)piperidine-2-carboxamide Hydrochloride	R106Y0	R071A0(31-Jan-20)
1078700	Buprenorphine Hydrochloride CIII (50 mg)	R09910	R00770(31-Jan-20)
1086141	Calcipotriene (200 mg)	R091L0	F029A0(31-Jan-20)
1086403	Calcium Carbonate (1 g)	R094J0	R030A0(31-Jan-20)
1090728	Capecitabine Related Compound B (20 mg) (5'-deoxy-5-fluorouridine)	R103A0	G0L481(31-Jan-20)
1134288	Citalopram Related Compound E (25 mg) (1-(3-dimethylaminopropyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile-N-oxide hydrochloride)	R093K0	G0M155(31-Jan-20)
1134390	Clarithromycin Identity (10 mg)	R099M0	R003C0(31-Jan-20)
1140586	Clopidogrel Related Compound A (20 mg) ((+)-(S)-(o-chlorophenyl)-6,7-dihydrothieno[3,2-c]pyridine-5(4H)-acetic acid, hydrochloride)	R098N0	H0M124(31-Jan-20)
1148001	Colistin Sulfate (200 mg)	R102T0	R02022(31-Jan-20)
1150003	Cortisone Acetate (150 mg)	R074Q0	J0M362(31-Jan-20)
1199002	Digitoxin (200 mg)	R09820	N0I195(31-Jan-20)
1237000	Epinephrine Bitartrate (200 mg)	R093E0	P2L152(31-Jan-20)
1241903	Erythritol (200 mg)	R093G0	F1F295(31-Jan-20)
1271008	Floxuridine (250 mg)	R108D0	G0F207(31-Jan-20)
1338346	Imiquimod Related Compound C (25 mg) (4-Chloro-1-isobutyl-1H-imidazo[4,5-c]quinoline)	R088R0	F0K100(31-Jan-20)
1340009	Indocyanine Green (250 mg)	R096K0	R05540(31-Jan-20)
1345104	Ioversol (200 mg)	R101C0	F(31-Jan-20)
1367708	Linoleoyl Polyoxylglycerides (150 mg)	R109J0	F0C283(31-Jan-20)
1374601	Malic Acid (500 mg)	R013S0	R00651(31-Jan-20)

Catalog #	Description	Current Lot	Previous Lot
1026004	m-Aminophenol (300 mg)	R07900	G0J290(31-Jan-20)
1379183	Melamine (250 mg) (2,4,6-Triamino-1,3,5-triazine)	G2M492	G1M492(31-Jan-20)
1396502	Methacrylic Acid and Methyl Methacrylate Copolymer (1:2) (200 mg) Methacrylic Acid Copolymer, Type B	H1G385	H0G385(31-Jan-20)
1414058	Methotrexate Related Compound E (50 mg) (4-[(2,4-Diaminopteridin-6-yl)methyl](methyl)amino}benzoic acid, hemihydrochloride)	R106M0	G0L541(31-Jan-20)
1009978	N-Acetyl-D,L-Methionine (100 mg) (N-Acetylmethionine)	F03581	F03580(31-Jan-20)
1499414	Paricalcitol Solution (3 mL) (COLD SHIPMENT REQUIRED)	R096Q0	R016S0(31-Jan-20)
1500557	Peanut Oil (1 g)	R101S0	G0L403(31-Jan-20)
1535755	Phosphatidylcholine (Soy) (50 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R108K0	R060L0(31-Jan-20)
1578805	Protein A (250 uL/ampule; 2 ampules) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED) DISCONTINUED		F0K214(31-Jan-20)
1601441	Residual Solvent Class 2 - Methylene Chloride (1.2 mL/ampule; 3 ampules)	R08150	R039B0(31-Jan-20)
1610001	Scopolamine Hydrobromide (500 mg)	R10130	L1M054(31-Jan-20)
1626500	Sulfadoxine (200 mg)	R099P0	F5H227(31-Jan-20)
1633007	Sulfanilamide Melting Point Standard (1 g) (Approximately 165 degrees)	R10910	R007N1(31-Jan-20)
1643452	Terazosin Hydrochloride (200 mg)	R111C0	G0F290(31-Jan-20)
1667443	Timolol Related Compound E (20 mg) ((S,Z)-4-({1-(tert-butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]propan-2-yl}oxy)-4-oxobut-2-enoic acid maleate salt (1:1))	R073H0	F000U0(31-Jan-20)
1672756	Tranexamic Acid Related Compound C (15 mg) ((RS)-4-(Aminomethyl)cyclohex-1-enecarboxylic acid hydrochloride)	R110W0	R037N0(31-Jan-20)
1705323	Ubidecarenone Related Compound A (15 mg) (Coenzyme Q9) (COLD SHIPMENT REQUIRED)	R08350	R002Y0(31-Jan-20)
1718020	Voriconazole Related Compound B (10 mg) ((2S, 3R)-2-(2,4-Difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol)	R095D0	G0M383(31-Jan-20)
1720429	Xylazine Hydrochloride (200 mg)	R10670	G0M323(31-Jan-20)

[Return to the Top](#)